

ABSTRACT

Immunotherapy utilizing naked anti-granulocyte antibodies provides an effective means for treating chronic myelocytic leukemia (CML). Such antibodies can be administered alone or in combination with other therapies, such as immunoconjugates or
5 chemotherapeutics. In either format, an effective therapy for treating CML is provided, which avoids the toxic side-effects typically associated with cancer therapy. The disclosed immunotherapy also is effective for treating acute myelocytic leukemia (AML) when co-administered with inducing agents which induce expression of antigens minimally displayed on the surface of myeloblasts.